1980
DICK SMITH
Electronics
New Decade
CATALOGUE
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FUN WAY INTO
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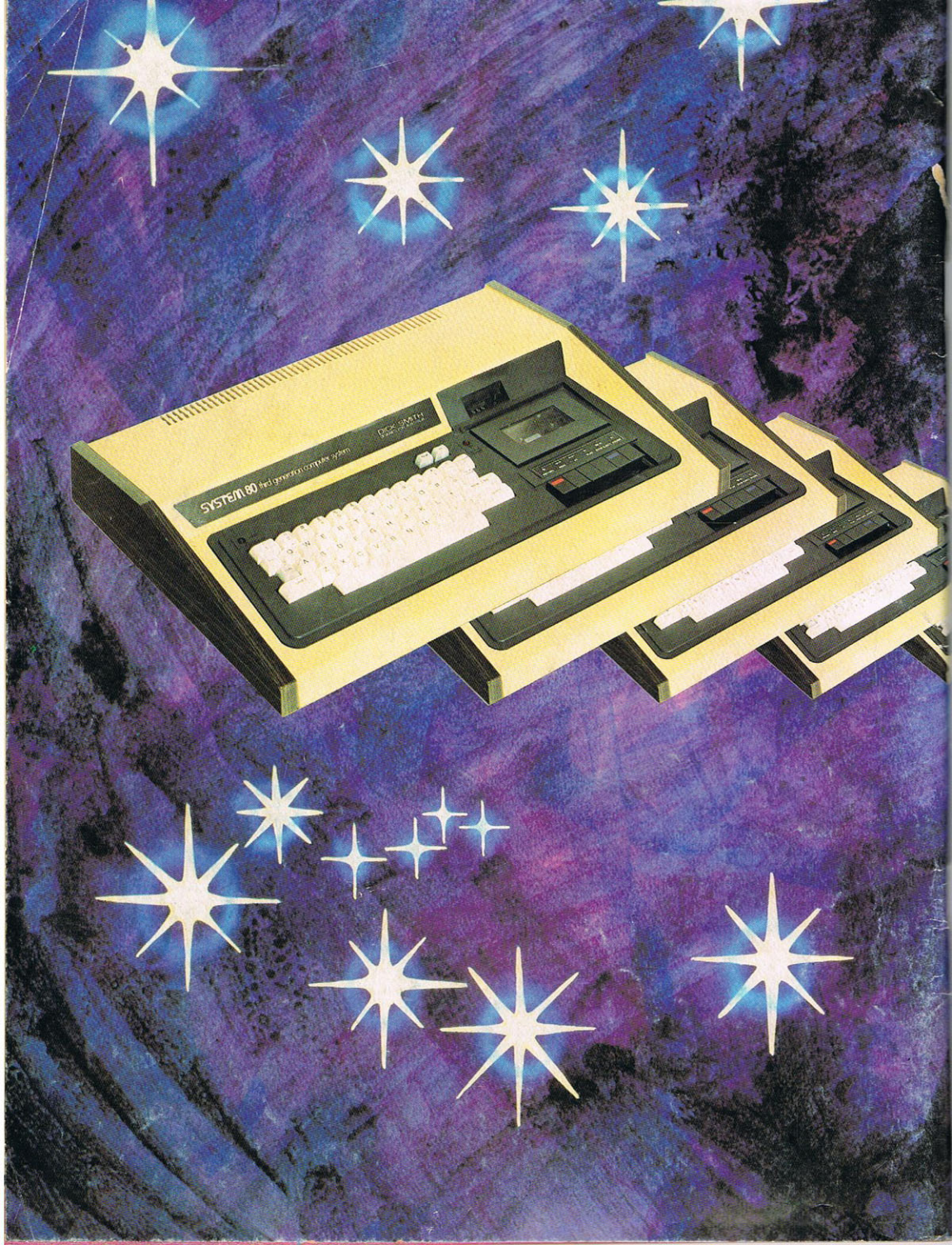

SYSTEM 80 third generation computer system

THE COMPUTER OF THE DECADE
The Dick Smith System 80

Yes, we agree, the Tandy TRS-80 HAS BEEN the best selling microcomputer in the world. The original TRS-80 design is now over 2 years old, and in the microcomputer industry 2 years is a long time.
THE DICK SMITH SYSTEM 80 is fresh from the design laboratory and features the latest "STATE OF THE ART" techniques.
In our opinion, the greatest disadvantage of the TRS-80 is the fact that it is not S-100 Bus compatible, meaning that the fantastic range of S-100 products (speech synthesizers, disc controllers etc.) are not readily usable. This problem has now been solved with the DICK SMITH SYSTEM 80.

HUGE PRICE BREAKTHROUGH!

NEW '80s

$595

With Level II BASIC 12K; Inbuilt recorder; Demonstration tape; Inbuilt TV modulator; 4K RAM.

Cat. X-4003

Also available with 16K RAM Cat. X-4005 $695

☆ **Complete with Tandy compatible Level II BASIC - so all Tandy programs are fully usable.**

☆ **The System 80 expansion unit is S-100 Bus compatible - now Tandy software with an S-100 Bus - at a huge saving.**

☆ **Video Monitor NOT NECESSARY - the System 80 simply plugs into a standard TV set (Save up to an additional $250!).**

☆ **Built-in cassette deck plus provision for an additional unit. (Tandy only allows the use of one!)**

BASIC SPECIFICATIONS **S-100 EXPANSION UNIT AVAILABLE SOON**
● Z80 microprocessor ● Takes two cassette players, one is built in ● RF output direct to TV set (video output as well!) ● 12K Tandy compatible BASIC ● 16 lines of 64 characters or 32 characters ● 128 x 48 graphics matrix ● Dick Smith backup ● Expansion with S-100 system.

MICROPOLIS QUAD DENSITY DISC DRIVES – Superb with your Sorcerer!

Thanks to Sorcerer's S-100 expansion capability, we can provide you with the best possible mini-floppy disc facility: the state-of-the-art **MICROPOLIS™ 1043/1023 quad density system.** You can have from one to four drives, giving up to **1260K** bytes (yes - more than a Megabyte) of storage at an incredibly low cost.

With many personal and small business computers, you are forced to use the floppy disc system provided by the manufacturer. Quite often this is a first-generation single density system, giving you very modest storage capacity at a correspondingly high cost per byte of information.

Because the Sorcerer's Expansion Unit uses the S-100 bus system, this limitation simply doesn't apply with Sorcerer. As a result, we have been able to select for you **the best possible floppy disc system**, from the enormous range of systems made for the S-100 bus.

The Micropolis 1043/1023 system represents third generation, state-of-the-art mini-floppy disc technology. It comes from Micropolis Corporation the company which has done most to develop the 134mm (5¼ in) mini-floppy disc as a reliable high-density storage medium and a worthy successor to the older 205mm (8 in) disc. At the heart of the 1043/1023 system is "quad density" technology, developed by Micropolis. This packs no less than **77** tracks each of **16** storage sectors onto each disc, instead of the usual 35 or 40 tracks of only 10 sectors. The result is an incredible **315,000 bytes of storage on each disc - from FOUR to SEVEN times the capacity available on other systems.** And you can expand the system to a total of four drives, to give 1,260,000 bytes of storage — **a massive 1.26 Megabytes!**

Just as important as the actual capacity is the cost of storage and with the Micropolis you pay approximately **HALF** that of most competitive systems. So with Micropolis you get not only the highest possible storage capacity, but outstanding value for money.

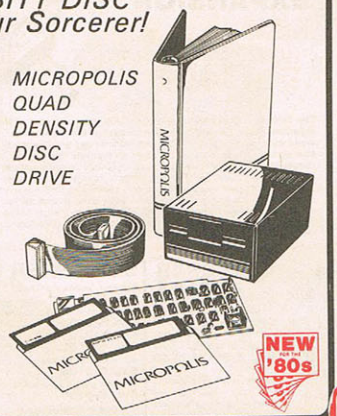
With the Micropolis system your first drive is the model 1043/mod 2. This comes with inbuilt power supply and disc controller board which plugs into the Sorcerer's S-100 Expansion Unit. You get all necessary cables, together with a comprehensive User Manual of more than 100 pages. You also get two discs, both of which contain the Micropolis Disc Operating System (MDOS), the very powerful Microsoft Version 4.0 Extended Disc BASIC, and a whole set of utility software including an assembler, a dynamic debugger, a line editor, printer drivers and various other utilities. To expand the system you use the 1023/mod 2 add-on drive. You can use up to three of these with the 1043/mod 2, as the 1043 disc controller board will control up to four drives. And if four drives with 1.26 Megabytes still isn't enough, you can always use a second 1043 and some further 1023s!

So you can design the optimum disc systems for your application, with as many drives as you need.

SPECIFICATION:
Micropolis 1043/mod 2: quad-density disc drive which uses 100 tracks-per-inch recording to give 77 tracks each of 16 sectors (hard sector discs). Storage capacity 315K bytes of storage per 134mm disc. Drive has built-in 240V power supply. Comes complete with controller board which plugs into S-100 bus system, comprehensive user manual, cables and two system discs with MDOS, Extended disc BASIC, an assembler, editor, debugger and other utilities. 1043/mod 2 controller includes autoload ROM "bootstrap" to obviate tiresome button pushing. Controller will operate four drives. Micropolis 1023/mod 2: add-on drive with same storage capacity as the 1043/mod 2. Up to three 1023/mod 2 drives may be used with each 1043/mod 2, giving up to 1,260,000 bytes of storage. Add-on drive has own 240V mains power supply.

Micropolis 1043/mod 2 Drive with controller
Cat. X-3205 ..... **$1350.00**

Micropolis 1023/mod 2 add-on Drive
Cat. X-3208 ..... **$750.00**



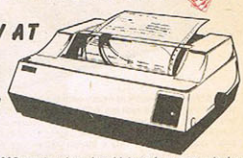
MICROPOLIS QUAD DENSITY DISC DRIVE

NEW '80s

DOT MATRIX IMPACT PRINTER

NEW '80s

QUALITY AT LESS THAN $1,000!!



The Itoh model 8300P matrix printer is a high performance unit that incorporates the latest microprocessor technology. This unit is priced below many printers offered by other companies but if you want a no-nonsense printer that can churn out the full 96-character ASCII at a brisk 125 characters per second on standard fan-fold paper, then you can't do better.

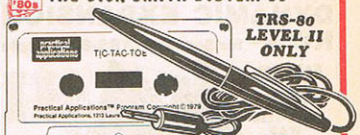
Brief Specifications: ● Bidirectional matrix-type impact printer taking standard fan-fold paper between 115 and 240mm wide ● Print speed 125 characters/sec. Throughput speed 64 lines per minute ● Upper and lower case ASCII set - 96 characters ● Format 9 x 7 dot matrix ● Character spacing 80, 40 or 132 columns - software selectable ● Inbuilt 80-byte character buffer, self-testing string generation facility, software programmable vertical format unit ● Interface 7-bit parallel, Centronics type. ● Interface connector available Cat. X-3112.

Cat. X-3255 ..... **$970.00**

LIGHT PEN

IDEAL FOR USE WITH TANDY TRS-80 OR THE DICK SMITH SYSTEM 80

NEW '80s



you could pay an absolute fortune for a light pen but Dick has made a scoop purchase of light pens direct from the USA. Now you can draw on your computer monitor. Simple to use , great fun and above all it's educational.

● Uses your cassette recorder as a pre-amp ● Comes complete with a cassette containing two application programmes: Tic-Tac-Toe and 'menu' display routine ● Give your TRS-80 or Dick Smith System 80 an 'eye' ● Only a fraction of the cost of other pens. ● Uses a 9V transistor battery Cat. S-3006 @ 45¢ (not supplied).

Cat. X-3645 ..... **$29.50**

FAN FORM PAPER

Standard fan form paper with perforations for use with all tractor feed printers. Ideal for use with the Model 8300 C.ITOH printer. Size 24cm x 28cm.

Cat. X-1189 ..... Not Illustrated **2,000 sheets** **$35.00**

DISKETTES

NEW '80s

133mm HARD SECTOR BLANK DISKETTE

This superior diskette is made in the United States of America by a leading manufacturer for the Micropolis drive systems.

Cat. X-3505 ..... 1-9 Not Illustrated **$5.95** each.
10 up **$5.00** each.

133mm SOFT SECTOR BLANK DISKETTE

Made for the Shugart type drive systems.

Cat. X-3510 ..... 1-9 Not Illustrated **$5.95** each.
10 up **$5.00** each.

DICK SMITH'S MINI DISC DRIVE FOR TRS-80 AND SYSTEM 80 OWNERS

This superb mini disc drive provides 128% the storage capacity of the Tandy drives yet costs far less! Check the features for yourself:-

- *133.4mm minifloppy diskette*
- *40 tracks instead of 35 – 14% more storage per side.*
- *Soft sectored*
- *Dual sensors for reading on both sides – doubles the storage capacity*
- *Recording density (inside track) 2768bpi*
- *100K bytes per side*
- *Drive number is switch selectable*
- *Use as first drive or add-on drives with TRS-80 or System 80*
- *Power supply will run two drives*
- *Cable harness will run four drives*
- *90 day warranty and Dick Smith Service back-up*

Number of Drives:	FIRST DRIVE	2ND DRIVE	3RD DRIVE	4TH DRIVE
Mini Disc Drive (Cat. X-3230)	$379.00	$379.00	$379.00	$379.00
Power Supply Unit (Cat. X-3234)	$60.00	N/A	$60.00	N/A
Wiring Harness (Cat. X-3232)	$49.50 (Or do it yourself!)	N/A	N/A	N/A
DOS Diskette (From Tandy)	$19.95	N/A	N/A	N/A
Total cost of Dick Smith Drive	**$508.45**	**$379.00**	**$439.00**	**$379.00**

So if you buy a 4 drive system from Dick Smith you SAVE a massive $1,000+ plus you get more than DOUBLE the capacity that Tandy offers! *(This saving is based on the latest Tandy prices in January 1980).*

Cat. X-3230

POWER SUPPLY

Especially suited to the Dick Smith Mini Disc Drive. The unit has dual voltage (+5V & +12V) and will power TWO drives.

Cat. X-3234 ..... **$60.00**

DISC DRIVE CONNECTOR

34 way daisy-chain cable for connecting 4 disc drives to your System 80 or TRS-80 expansion interface.

Cat. X-3232 ..... **$49.50**

"DOS PATCH"

Extends Tandy TRSDOS to take advantage of the 40 tracks on this disc drive. Also enhances TRSDOS in other ways as well.

Cat. X-3550 ..... **$19.50**

NEW '80s GAMES THAT SORCERERS PLAY! NEW '80s

MAGIC MAZE

A challenging maze game. Ten levels of play. Holding your lantern you wander through a maze trying to stay on the right path and avoid pitfalls. Automatic scoring tells you how good a pathfinder you are.

Cat. X-3620 ... Not Illustrated ... **$14.95**

PLOT

Plot includes both a super high resolution mode and a quick low resolution mode. Both are accessible from your BASIC programs using simple commands. This is the way to get good graphics on your Sorcerer.

Cat. X-3621 ... Not Illustrated ... **$17.95**

Z-80 DISASSEMBLER

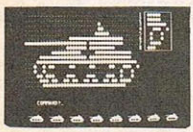
Decode machine language programs, including Sorcerer's monitor and ROM-PACs, with this Z-80 Disassembler written in BASIC. Instruction mode prints out machine code and Zilog mnemonics in standard format. Or use the ASCII mode which converts machine code to ASCII.

Cat. X-3622 ... Not Illustrated ... **$17.95**

SHAPE MAKER

Construct special characters and fancy shapes with ease using this on-screen character editor. Detailed 12-page instruction booklet includes sample applications.

Cat. X-3623 ..... **$17.95**



DEBUG

Debug machine language programs by stepping through one instruction at a time. Relocatable. Several display options. Multiple break points. Modify memory and registers.

Cat. X-3624 ... Not Illustrated ... **$17.95**

GRAPHIC GAMES

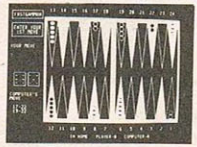
The most fantastic games – the ultimate game is to land on the moon with a LEM, with skill and patience it can be done. Also includes pie lob, nuclear reaction, bounce, checkers and dodgem.

Cat. X-3631 ... Not Illustrated ... **$14.95**

SMART ALEC

You get the opportunity to answer over 200 questions on seven different subjects. If you are successful the computer will certify you a genius.

Cat. X-3632 ... Not Illustrated ... **$14.95**



FASTGAMMON

Backgammon players will love this machine language program that provides a skillful opponent with ultra sharp screen graphics. Comes complete with detailed 8 page booklet on the rules of Backgammon.

Cat. X-3625 ..... **$22.95**

ADVENTURE LAND

Wander through an enchanted world trying to recover 13 lost treasures. You will encounter wild animals and magic beings, and many other perils and puzzles. Can you rescue the ox? Or find your way out of the maze of pits? Happy adventuring.

Cat. X-3633 ... Not Illustrated ... **$19.50**

PIRATE ADVENTURE

"Yo Ho Ho and a bottle of rum. . ." You'll meet up with the pirate and his daffy bird along with many strange sights as you attempt to go from your London flat to Treasure Island. Can you recover Long John Silver's lost treasure?

Cat. X-3634 ... Not Illustrated ... **$19.50**

MISSION IMPOSSIBLE

Good morning, your mission is to. . . and so it starts. Will you be able to complete your mission in time? Or is the world's first automated nuclear reactor doomed? This one's well named, it's hard, there is no magic but plenty of suspense. Good luck.

Cat. X-3635 ... Not Illustrated ... **$19.50**

VOODOO CASTLE

Count Cristo has had a fiendish curse put on him by his enemies. There he lies, with your his only hope. Will you be able to rescue him or is he forever doomed? Beware the Voodoo Man. . .

Cat. X-3636 ... Not Illustrated ... **$19.50**

YAHTZEE

A variation on the popular poker dice game. 13 rolls for best score. Keeps you amused for hours.

Cat. X-3600 ... Not Illustrated ... **$9.95**

BLACKJACK

Play for high stakes, will you win or lose? The ever popular 21's, pontoon, blackjack.

Cat. X-3602 ... Not Illustrated ... **$9.95**

WUMPUS

Hunt the mystical Wumpus through 20 rooms with a bent bow and arrow!!

Cat. X-3604 ... Not Illustrated ... **$9.95**

SOFTWARE FOR YOUR TRS-80 OR SYSTEM 80 NEW '80s

TIME TREK

For 4K Level I and II. You will need fast reflexes as well as sharp wits to win in this constantly changing game. With Klingons firing at you and you firing back it makes for a fantastic game. Has nine levels of difficulty.

Cat. X-3650 ... Not Illustrated ... **$17.95**

STIMULATING SIMULATIONS

10 games on one cassette, all original – art auction, forest fire, monster chase, nautical navigation, lost treasure, business management, gone fishing, rare birds, space flight and diamond thief. Level I and II 4K RAM.

Cat. X-3652 ... Not Illustrated ... **$17.95**

ELECTRIC PAINTBRUSH

4K Level I and II. Create dazzling real time graphics displays at speeds far beyond BASIC by writing 'progams' consisting of simple graphics commands for a machine language interpreter. Commands let you draw lines, turn corners, change white to black, repeat previous steps or call other programs.

Cat. X-3654 ..... **$17.95**

BLOCKADE

4K Level I & II. You and your opponent try and make the other collide with a wall. Many variations.

Cat. X-3659 ... Not Illustrated ... **$17.95**

BRIDGE CHALLENGER

Practice and improve your play – whether you're expert or novice. Level II 16K RAM.

Cat. X-3656 ... Not Illustrated ... **$17.95**

MICRO CHESS

One of the top selling games in the USA for the TRS-80. Think out your moves because the computer is out to beat you.

Cat. X-3658 ... Not Illustrated ... **$22.50**

"TINY" PASCAL

Cassette tape with "Tiny" Pascal for developing, debugging and running programs on your TRS-80. Provides powerful subset of standard Pascal statements including recursive procedure/functions, global and local variables, if-then-else-then, peek and poke, while, for, repeat/until case and complete TRS-80 graphics. Comes complete with comprehensive and easy to read manual.

Cat. X-3670 ... Not Illustrated ... **$49.50**

SOME COMMON BASIC PROGRAMS

Lon Poole & Mary Borchers - 193 pages

For the person with a computer using BASIC this is an invaluable book, containing 76 programs. Includes BASIC programs on investment ● Gaussian Quadrature ● linear programming ● tax depreciations ● recipe cost etc., etc. Ideal for the home computer – make your computer work for you.

ONLY $9.95

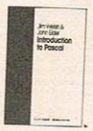
Cat. B-2345 ..... **$9.95**

INTRODUCTION TO PASCAL

Welsh and Elder

'Highly recommended' says Jim Rowe. Pascal is the latest 'state of the art' computer language – if you're a computer enthusiast, this 282 page reference will tell you all you want to know.

NEW FOR THE '80s



Cat. B-2365 ..... **$13.95**

BASIC AND THE PERSONAL COMPUTER

Dwyer & Critchfield

This book does not require you to have a University degree! 438 pages of superb information on BASIC written for the novice or the more advanced computer enthusiast. Covers games, art, graphics, business and much more as well. A highly recommended book that educates as well as being a lot of fun!

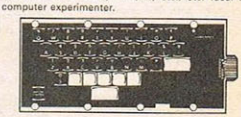
NEW '80s

Cat. B-2330 ..... **$14.95**

VIDEO BRAIN KEYBOARD NEW '80s

Limited Stocks

Scoop purchase of keyboards from a manufacturer who has gone broke! This is a full function keyboard with 37 keys on a silver plated double sided PCB. Connections are made via a double sided edge connector (0.1"). All keys can be individually accessed by cutting the PC tracks. Keys contain all alphabet letters, 0-9 numerals, shift, %, etc., etc. Ideal for computer experimenter.



Cat. X-1182 ..... **$17.50**